

Mini Design Challenge

Phase 3: Ideation (10 min.)



Brainstorm as many ideas as you can in 10 minutes. Write everything down, but don't discuss them. Go for quantity and diversity of ideas. If you need more space grab some more paper!

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Phase 3: Ideation – Continued (10 min.)



Time to refine your ideas down to a couple of promising gems. You have 10 minutes to decide which ones to keep. You will be given the process to use by the TOSAs. You will do one of the following:

- Post-it note voting
- Best ideas, worst ideas - pick the best idea with worst and mash them into one
- Sane and Crazy – pick the most crazy idea and mash it with most sane idea
- Pick the newest idea, the most useful idea and the most feasible idea and mash them into one idea

The winning idea:

Phase 4: Prototyping (15 min.)



Now with your idea in hand, it's time to build it. You can use any of the materials provided to create your prototype. You might want to build quick rough prototypes at first. This will give you time to iterate your idea into a final prototype. A prototype can be sketch, a storyboard, a model, diagram, a mock-up, a presentation, movie or whatever seems appropriate. Remember to build a prototype with the user in mind, trying to let the user “experience” the idea!

Prototype notes:

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Phase 5: Refinement (10 min.)



Congratulations on designing a great solution! Normally, you would continue to iterate your idea based on feedback from potential users. Since this is a mini challenge, we don't have the time. What we would like you to do is reflect on the challenge.

What did you think about the challenge?

How might you use this process in the classroom?

What issues do you see in implementing design thinking?

How might technology be used to enhance this challenge?

What questions do you have?

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Want more?

Did you enjoy the design thinking process? Hopefully you will do it again to find innovative solutions for problems facing your school. If you want to finish this current session or want to use the process quickly, here are some suggestions:

- Repeat this process with a new group or partner
- Incorporate feedback from outside this group and incorporate into a new prototype
- Apply this same process to another mini-challenge during a staff meeting